



#4 IDS w/r  
2661

PATENT  
Attorney Docket No. 1021/13055US01

IN THE UNITED STATES  
PATENT AND TRADEMARK

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Technology Center 2600

In the Application of:

Makam, et al.

Serial No. 09/784,499

Filed: February 15, 2001

For: DYNAMIC BANDWIDTH  
MANAGEMENT USING  
SIGNALING PROTOCOL AND  
VIRTUAL CONCATENATION

Examiner: Not yet assigned

Group Art Unit: 2661

CERTIFICATE OF MAILING

I hereby certify that this  
correspondence is being deposited with  
the United States Postal Service as first  
class mail in an envelope addressed to:  
Assistant Commissioner for Patents,  
Washington, D.C. 20231 on

JUNE 12, 2001

Ronald E. Larson

Ronald E. Larson

Reg. No. 24,478

TRANSMITTAL OF  
INFORMATION DISCLOSURE STATEMENT  
AFTER APPLICATION FILING DATE

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

ENCLOSURES

Enclosed are the following:

- \* A completed PTO form 1449 (modified) which has one (1) page.
- \* A copy of each printed or patented reference listed in the enclosed form 1449 and not previously provided to or by the PTO in this application. Nine (9) references are enclosed.



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No fee is believed to be due because:

- \* The applicant(s) believe(s) that this statement and enclosures are being filed before the first Office action on the merits has been mailed by the PTO. The basis of this belief is that no Office action on the merits appears to have been received by the undersigned to date.

#### FEE PAYMENT

The following arrangements have been made to pay the fees calculated above:

- \* No fee is believed to be due.

The Commissioner is hereby authorized to charge any additional fees which are presently required, or credit any overpayment, to Deposit Account No. 13-0017.

#### REQUEST FOR CONSIDERATION

This paper and enclosures are believed to be entitled to consideration under 37 C.F.R. § 1.97, based on the facts stated above. The Examiner is requested to initial both copies of the enclosed PTO-1449 (modified) and return one copy to the applicants to indicate consideration of the enclosed references.

Respectfully submitted,

**MCANDREWS, HELD & MALLOY, LTD.**

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Dated: JUNE 12, 2001

|   |  |  |                               |                          |
|---|--|--|-------------------------------|--------------------------|
| Form PTO-1449<br>(Rev. 8-88)<br>(modified)<br><br><b>INFORMATION DISCLOSURE CITATION</b><br>(Use several sheets if necessary) | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE |  | ATTY. DOCKET NO.<br>13055US01 | SERIAL NO.<br>09/784,499 |
|   | APPLICANT(s):<br>Makam                                     |  |                               |                          |
|   | FILING DATE<br>February 15, 2001                           |  | GROUP ART UNIT:<br>2661       |                          |
|   |  |  |                               |                          |

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## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |  | DOCUMENT<br>NO. | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF<br>APPROPRIATE |
|---------------------|--|-----------------|------|------|-------|----------|----------------------------------|
|                     |  |                 |      |      |       |          |                                  |
|                     |  |                 |      |      |       |          |                                  |
|                     |  |                 |      |      |       |          |                                  |

## FOREIGN PATENT DOCUMENTS

| EXAMINER<br>INITIAL |  | DOCUMENT NO. | PUBLICATION<br>DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|---------------------|--|--------------|---------------------|---------|-------|----------|-------------|----|
|                     |  |              |                     |         |       |          | YES         | NO |
|                     |  |              |                     |         |       |          |             |    |
|                     |  |              |                     |         |       |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |   |
|--|----|---|
|  | C1 | Awduche, et al., "Extensions to RSVP for LSP Tunnels", Internet Draft, draft-ietf-mpls-rsvy-lsp-tunnel-08.txt, (February 2000)  |
|  | C2 | Bernstein, "Some Comments on the Use of MPLS Traffic Engineering for SONET/SDH Path Establishment, Internet Draft, draft-bernstein-mpls-sonet-00.txt. Work in Progress (March 2000) |
|  | C3 | Jamoussi, et al., "Constraint-Based LSP Setup Using LDP", Internet Draft, draft-ietf-mpls-cr-ldp-03.txt, (September 1999)   |
|  | C4 | Jones, et al., "Extending PPP over SONET/SDH, with Virtual Concatenation, high order and low order payloads", Internet Draft, draft-ietf-pppext-posvcholo-01.txt (December 1999)    |
|  | C5 | Levandovsky, et al., "Physical Constraints Affecting Connectivity in the Dynamic Optical Network" NFOEC 2000 (August 2000)  |
|  | C6 | Makam, et al., "Dynamic Control of Sonet/SDH/DWDM Transport Networks to Carry Data Traffic More Efficiently" pp. 358-367  |
|  | C7 | Mannie, "MPLS for SDH Control", Internet Draft, draft-mannie-mpls-sdh-control-00.txt", Work in Progress (March 2000)  |
|  | C8 | Moy, "OSPF Version 2", FRC 2328, Internet Engineering Task (April 1998)   |
|  | C9 | Walker, et al. "Control Plane Integration of Multi Layer Networks", NFOEC 2000, (August 2000)   |
|  |    |   |

EXAMINER

DATE CONSIDERED:

\*EXAMINER: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.